

POISON

KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

TITAN

FLUAZINAM 500 SC FUNGICIDE

ACTIVE CONSTITUENT: 500g/L FLUAZINAM

GROUP **29** FUNGICIDE

For the control of White Root Rot in Apples, Club Root of Broccoli, Brussels Sprouts, Cabbage, Cauliflower and Kohlrabi; Eutypa Dieback and the pre-bud burst suppression of Phomopsis Cane and Leaf Blight in Grapevines, and the control of Late Blight and Sclerotinia in Potatoes as specified in the Directions For Use.

APVMA Approval No.: 97092/151752

Pack Size: 1L-20L

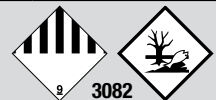


TITAN AG Pty Ltd | ABN 57 122 081 574
15/16 Princes Street, Newport NSW 2106
Tel (02) 9999 6655 | titanag.com.au

SC

Formulation Type
Suspension Concentrate

IN A TRANSPORT EMERGENCY
• DIAL 000 • POLICE OR FIRE BRIGADE



ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S. (contains fluazinam)
PG III Hazchem •3Z

DIRECTIONS FOR USE

Restraint: DO NOT apply with aircraft.

SPRAY DRIFT RESTRAINTS

Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift.

Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas. DO NOT apply unless the wind speed is between 3 and 20 kilometres per hour at the application site during the time of application.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS															
Apples	White Root Rot	QLD, NSW, TAS, WA only	50mL/100L	–	Pre-Planting: Prepare planting holes with a 30cm diameter to a depth of about 1m. Remove all larger roots from the excavated soil. Apply 30L of a prepared suspension of TITAN Fluazinam 500 SC Fungicide and water per tree by mixing with the planting hole soil in the planting operation. Apply in 3 stages, adding 10L of the prepared suspension to each third of the excavated soil. Form a barrier of treated soil around each tree to contain the TITAN Fluazinam 500 SC Fungicide suspension and prevent other soil from contaminating the area around the tree. Established Trees: During following winter dormant periods each year, retreat with 30L/tree of TITAN Fluazinam 500 SC Fungicide water suspension by using a soil injector, comprised of a hollow metal rod approximately 2.5m in length attached to a pressure pump. Maintain liquid pressure at 10-15 psi during application. Insert the rod into the soil at 8-12 points around the base of the tree to a depth of 1-2m, removing the rod each time when the suspension appears on the surface.															
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kohlrabi	Club Root	ALL STATES	Seedling drench 25-50mL per 1000 plants OR Pre-transplant soil incorporated band 3L/ha	–	Use the high rate in fields where severe Club Root has occurred previously. According to the dilution table shown below, apply the required amount of the diluted mixture immediately after transplanting around the base of each plant to ensure thorough wetting of the collar region.															
					<table><tr><th>Rate of TITAN Fluazinam 500 SC Fungicide per 1000 plants</th><th>Amount of TITAN Fluazinam 500 SC Fungicide per 100L of water</th><th>Volume of mixture to apply per 1000 plants</th></tr><tr><td>25mL</td><td>25mL</td><td>100L</td></tr><tr><td>25mL</td><td>12.5mL</td><td>200L</td></tr><tr><td>50mL</td><td>50mL</td><td>100L</td></tr><tr><td>50mL</td><td>25mL</td><td>200L</td></tr></table>	Rate of TITAN Fluazinam 500 SC Fungicide per 1000 plants	Amount of TITAN Fluazinam 500 SC Fungicide per 100L of water	Volume of mixture to apply per 1000 plants	25mL	25mL	100L	25mL	12.5mL	200L	50mL	50mL	100L	50mL	25mL	200L
					Rate of TITAN Fluazinam 500 SC Fungicide per 1000 plants	Amount of TITAN Fluazinam 500 SC Fungicide per 100L of water	Volume of mixture to apply per 1000 plants													
					25mL	25mL	100L													
					25mL	12.5mL	200L													
					50mL	50mL	100L													
50mL	25mL	200L																		
This method of application is most suitable for use in soils with low infiltration rates.																				
Apply in a minimum band width of 23cm along the planting row and incorporate to a soil depth of 15-20cm with a precision incorporator in the same operation.																				
Apply in a water volume of at least 500L/ha. Disease control depends on protection of the taproot from infection.																				
Note: This product may delay the start of harvest by up to 8 days and shorten the harvest period, without adverse effects on final yield.																				
Grapevines	Phomopsis Cane and Leaf Blight	ALL STATES	Dilute Application: 100mL/100L	–	Apply one application at 1 to 4 weeks prior to budburst after pruning to dormant spurs and/or canes. Mixing with 2% summer or winter oil may assist in coverage and penetration of the spray onto diseased wood. Adjust spray application equipment to thoroughly wet all one year old wood on the vines after pruning. Apply by dilute application spray equipment that only directs spray solution to the dormant canes and spurs on the cordons. Use of a fixed wand or short boom with single or multiple nozzles directing a narrow band of spray solution onto dormant buds, spurs and canes along the cordon wire(s) is recommended. When using orchard sprayers, ensure that only nozzles directing spray solution onto the dormant canes and spurs along the cordon wire(s) are operational. Follow the pre-budburst application of TITAN Fluazinam 500 SC Fungicide with post-budburst applications (where required) of other products (eg. dithianon or mancozeb) registered for the control of Phomopsis in Grapevines. Application of these products must be in accordance with the directions stated on the registered label of the product used.															
	Eutypa Dieback				Apply as a dormant treatment to Grapevines within 24 hours of pruning. Application should be made as a directed spray in a water volume that ensures thorough coverage of the pruning cuts.															

CROP	DISEASE	STATE	RATE	WHP	CRITICAL COMMENTS
Potatoes	Late Blight Sclerotinia	ALL STATES	250mL/ha	14 days	Apply as a protectant fungicide treatment before Late Blight or Sclerotinia becomes established in the crop. Early application before row closure is useful for the control of Sclerotinia in Potatoes. Apply in a spray volume of 250 to 500L/ha using nozzles that provide a medium droplet size and repeat at 7 to 10 day intervals. Use the shorter interval when wet conditions favour Late Blight development. If Early Blight (Target Spot) is present, include an appropriate fungicide for the control of this disease in the spray program such as Difenconazole 250g/L, Procymidone 500g/L, Mancozeb 750g/kg.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

WITHHOLDING PERIODS

HARVEST:

Apples, Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Kohlrabi, Grapevines: NOT REQUIRED WHEN USED AS DIRECTED.

Potatoes: DO NOT HARVEST FOR 14 DAYS AFTER APPLICATION.

GRAZING:

TREATED CROPS ARE NOT TO BE GRAZED OR FED TO ANIMALS. DO NOT GRAZE VINEYARDS AFTER APPLICATION.

GENERAL INSTRUCTIONS

MIXING

Add the required amount of product to the partly-filled spray tank with the agitator in operation. Fill the tank with water and continue agitation during spraying and after a stoppage.

APPLICATION

Dilute Spraying – Grapevines only

- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
- Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of run-off. Avoid excessive run-off.
- The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
- Add the amount of product specified in the Directions For Use table for each 100L of water. Spray to the point of run-off.
- The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.

GROUP **29** FUNGICIDE

FUNGICIDE RESISTANCE WARNING

For fungicide resistance management TITAN Fluazinam 500SC Fungicide is a Group 29 fungicide. Some naturally occurring individual fungi resistant to TITAN Fluazinam 500SC Fungicide and other Group 29 fungicides may exist through normal genetic variability in any fungal population. The resistant individuals can eventually dominate the fungal population if these fungicides are used repeatedly. These resistant fungi will not be controlled by this product or other Group 29 fungicides, thus resulting in a reduction in efficacy and possible yield loss. Since the occurrence of resistant fungi is difficult to detect prior to use, TITAN AG Pty Ltd accepts no liability for any losses that may result from the failure of this product to control resistant fungi.

PRECAUTIONS

Re-entry period

Apples

DO NOT allow entry into treated areas until the solution has dried on the soil surface. If prior entry is necessary wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), chemical resistant gloves and impervious boots. Clothing must be laundered after each day's use.

Brassicas

DO NOT allow entry into treated areas until the spray has dried. When prior entry is necessary, wear impervious footwear and if handling the treated crop wear cotton overalls buttoned to the neck and wrist, a washable hat and elbow-length PVC gloves. Clothing must be laundered after each day's use.

Grapes

DO NOT enter treated areas until the spray has dried after treating Grapevines to perform low, medium and high exposure activities unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

DO NOT enter treated areas for 7 days after treating Grapevines to perform very high exposure activities such as grape girdling, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

Potatoes

DO NOT enter treated areas until the spray has dried after treating Potatoes, unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day's use.

PROTECTION OF LIVESTOCK

DO NOT graze or feed treated crops to animals. DO NOT graze Vineyards after application.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Very toxic to aquatic life. DO NOT contaminate streams, rivers or watercourses with the chemical or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse container before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling break, crush or puncture and deliver empty container to an approved waste management facility. If an approved facility is not available, bury the empty container 500mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots in compliance with relevant Local, State or Territory government regulations. DO NOT burn empty containers or product.

SAFETY DIRECTIONS

Harmful if swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Repeated exposure may cause allergic disorders. When opening the container and preparing product for use, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length chemical resistant gloves and goggles. When using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat and elbow-length chemical resistant gloves. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126; New Zealand 0800 764 766. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

SAFETY DATA SHEET

Additional information is listed in the safety data sheet (SDS). A safety data sheet for TITAN Fluazinam 500 SC Fungicide is available from TITAN AG Pty Ltd on request. Call Customer Service on (02) 9999 6655 or visit titanag.com.au

CONDITIONS OF SALE: TITAN AG Pty Ltd shall not be liable for any loss injury damage or death whether consequential or otherwise whatsoever or howsoever arising whether through negligence or otherwise in connection with the sale supply use or application of this product. The supply of this product is on the express condition that the purchaser does not rely on TITAN AG's skill or judgment in purchasing or using the same and every person dealing with this product does so at his own risk absolutely. No representative of TITAN AG Pty Ltd has any authority to add to or alter these conditions.



Additional statements required by Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia: Combustible liquid. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. Harmful if inhaled. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary Statements: Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe mist/ vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Avoid release to the environment. Wash all exposed external body areas thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. Immediately call a POISON CENTER/doctor/physician/first aider. In case of fire: Use alcohol resistant foam or normal protein foam to extinguish. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Store in a well-ventilated place. Store locked up. Dispose of contents/ container to authorised hazardous or special waste collection point in accordance with any local regulation.